

Applicants : Philip Livingston and Friedhelm Helling  
Serial No. : 08/477,097  
Filed : June 7, 1995  
Page 2

applicants' rights to pursue the subject matter in a future application.

Please add the following new claims:

E1  
Sub A  
--53. (New) A composition comprising a GM2 or GD2 ganglioside conjugated through the ceramide portion of the ganglioside to an immunogenic protein and a carbohydrate derivable from the bark of a Collage saponaria Molina tree, the amounts of such conjugated ganglioside and such carbohydrate being effective to stimulate or enhance antibody production in a subject, and a pharmaceutically acceptable carrier.--

--54. (New) The composition of claim 53, wherein the ganglioside is GM2.--

--55. (New) The composition of claim 53, wherein the ganglioside is GD2.--

Sub B  
--56. (New) The composition of claim 53, wherein the immunogenic protein is Keyhole Limpet Hemocyanin or a derivative thereof.--

--57. (New) The composition of claim 53, wherein the immunogenic protein is Keyhole Limpet Hemocyanin.--

--58. (New) The composition of claim 53, wherein the carbohydrate is QS21.--

--59. (New) The composition of claim 53, wherein the amount of the conjugated ganglioside is an amount between about 1 ug and about 200 ug.--

Applicants : Philip Livingston and Friedhelm Helling  
Serial No. : 08/477,097  
Filed : June 7, 1995  
Page 3

--60. (New) The composition of claim 59, wherein the amount of the conjugated ganglioside is an amount between about 10 ug and about 90 ug.--

--61. (New) The composition of claim 60, wherein the amount of the conjugated ganglioside is an amount between about 35 ug and about 70 ug.--

E1 --62. (New) The composition of claim 53, wherein the amount of the carbohydrate is an amount between about 10 ug and about 100 ug.--

--63. (New) The composition of claim 62, wherein the amount of the carbohydrate is about 100 ug.--

Sub G3 --64. (New) The composition of claim 53, wherein the molar ratio of the conjugated ganglioside to the immunogenic protein is between about 200 and about 1400.--

Sub X2 --65. (New) A method of stimulating or enhancing antibody production in a subject which comprises administering to the subject an effective amount of a composition comprising a GM2 or GD2 ganglioside conjugated through the ceramide portion of the ganglioside to an immunogenic protein and a carbohydrate derivable from the bark of a Quillaja saponaria Molina tree, the amounts of such conjugated ganglioside and such carbohydrate being effective to stimulate or enhance antibody production in a subject, and a pharmaceutically acceptable carrier.--

--66. (New) A method of preventing or treating a cancer in a subject which comprises administering to the subject an effective cancer preventing or treating amount of the